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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/923,089

08/06/2001

Harold V. Putman

D-1144

9431

28995

7590

04/09/2003

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EXAMINER

LEE, SEUNG H

ART UNIT

PAPER NUMBER

2876

DATE MAILED: 04/09/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/923,089

Applicant(s)

PUTMAN ET AL.

Examiner

Seung H Lee

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-26 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2.
- 4) ☐ Interview Summary (PTO-413) Paper No(s) ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claim 26 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite in that it fails to point out what is included or excluded by the claim language. This claim is an omnibus type claim.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1, 4, 8, 9, 10, and 18-23 are rejected under 35 U.S.C. 102(e) as being anticipated by Clark et al. (US 6,378,770)(hereinafter referred to as 'Clark').

Clark teaches a automated teller machine (ATM)(10) comprising controller unit (30) serving as a computer, a cash dispenser (18) serving as a transaction function device wherein the cash dispenser is operative connection with the controller unit, a first display device (20) and a second display device (28) in operative connection with controller unit, a first type input device or keypad (16) associated with the first display

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(20) and a second input device or keypad (27) associated with the second display (28) wherein the first and the second keypads are in operative connection with the controller unit, the control unit having a processing unit (32) and memory unit (34) for executing banking procedure or software to displaying the instruction of requesting user to input the personal identification number (PIN) using keypad (16) on the first display (20) and reading input data from the keypad (27) and displaying the information on the second display (28) thereon, and executing of banking procedure of the control unit producing two output layer according to the user panel, that is, the control unit is generating screen information including a card reader (14) information on the user side panel (12) and the controller unit is generating the screen information without the card reader information on the operator side panel (26) in which the display screen is menu driven or command instruction of the banking operation based on users interacting with the ATM, e.g., the display (20) is displaying instruction to user for entering PIN after the controller unit read the data/information stored on the card using the card reader (14) (see Figs. 1, 2; col. 2, line 53- col. 24).

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 2 and 3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Clark in view of Butler et al. (US 6,018,340)(hereinafter referred to as 'Butler').

The teachings of Clark have been discussed above.

Although, Clark teaches the ATM comprising two display wherein the two display having own interface, he fairly teach the desktop environment spans the first and the second display devices.

However, Butler teaches a computer (300) having two display devices (330 and 332) wherein the desktop environment spans two monitors (see Figs. 3, 7; col. 1, lines 52-64; col. 3, lines 11-17; col. 8, lines 1-20).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the teachings of Butler to the teachings of Clark in order to provide an intelligent and efficient means wherein the boundaries of spanned Windows are re-drawn by moving a block of bits from one portion to another of the frame buffer for that monitor. Moreover, such modification would provide an improved and an enhanced means for reducing the number of necessary pixel calculations while maintaining the color characteristics of the various monitor being used, and therefore an obvious expedient.

7. Claims 5-7, 11-17, 24, and 25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Clark in view of Coutts et al. (US 6,311,165)(hereinafter referred to as 'Coutts').

The teachings of Clark have been discussed above.

Although, Clark teaches the ATM storing the software/program to execute various commands for operating the ATM, he fail to particularly teach or fairly suggest that the software/program is hardware independent.

However, Coutts teaches the ATM wherein the ATM is operated using a software/program in which the software/program is created with the JAVA program language wherein the JAVA program language is hardware independent type program language, and the software/program including the event processors such as ATMInterface, CardReader, CashDispenser serving as a maintenance function, etc. wherein the event processors can be invoked by inserting card into card reader and/or entering the data using keyboard, the ATM terminal also including touch screen for emulating mouse device in which is serving as a pointing device and/or a function key, and the JAVA program is compiled with the main application including commands for importing the JAVA class files such as Account, CardReader, etc. and/or creating the objects or constructors wherein the imported JAVA class files, created objects, and constructors are including human readable language and command to generate the graphical user interface (GUI) on the display of the ATM (see Figs. 1, 4-5, 11, 10, 18, 22-29, 33, 42-58; col. 1, lines 19-65; col. 24, line 46- col. 56, line 4).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the well-known JAVA language as taught by Coutts to the teachings of Clark in order to provide an hardware independent program due to the fact that the JAVA program is known in the art to for the hardware indepedence programming language, that is, running every hardware after compiling source code

once. Moreover, it would have been obvious to one of ordinary skill in the art to recognize that the JAVA programming language is importing the class files into the main application source file or applets in order to provide an object oriented programming capability wherein the class files and objects can have the event processor to invoke the GUI to interact with various peripherals such as a card reader, keypad, a display, etc., and therefore an obvious expedient.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure;

Drummond et al. [US 6,47,326] disclose an automated banking machine wherein the ATM is operative with the web-based application.

Shah et al. [US 6,243,451] discloses a service management access system for accessing database system using the web site,

Anfossi et al. [US 5,982,392] discloses a method and system for accessing remote computer,

Di Giorgio et al. [US 6,474,544] disclose a electronic transaction system using a smart card and the method of same.

Any inquiry concerning this communication or earlier communication from the examiner should be directed to Seung H. Lee whose telephone number is (703) 308-

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5894. The examiner can normally be reached on Monday to Friday from 7:30 AM to 4:00 PM.

If attempt to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Lee, can be reached on (703) 305-3503. The fax-phone number for this group is (703) 308-5841 or (703) 308-7722.

Communications via Internet e-mail regarding this application, other than those under 35 U.S.C. 132 or which otherwise require a signature, may be used by the applicant and should be addressed to [michael.lee@uspto.gov].

All Internet e-mail communications will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a possibility that sensitive information could be identified or exchanged unless the record includes a properly signed express waiver of the confidentiality requirements of 35 U.S.C. 122. This is more clearly set forth in the Interim Internet Usage Policy published in the Official Gazette of the Patent and Trademark on February 25, 1997 at 1195 OG 89.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.


Seung H. Lee
Art Unit 2876
April 2, 2003


MICHAEL G. LEE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800